

Appendix table 5-38.

Academic doctoral scientists and engineers with Federal support, by field of degree: 1973–99
(Percentages)

Year	Total employed	Research is primary activity	Research is secondary activity	Full-time faculty	Full-time other	Post-doctorates
S&E total						
1973	46.9	81.5	40.4	44.3	70.5	90.3
1975	42.2	79.0	35.6	39.6	58.8	86.3
1977	41.6	75.4	37.5	38.2	68.1	86.0
1979	39.9	75.2	35.3	36.2	58.3	82.1
1981	42.8	80.6	35.3	38.8	58.5	86.3
1983	44.3	79.9	40.5	41.7	59.4	82.2
1985	37.4	73.5	28.9	34.3	49.8	78.5
1987	48.2	79.9	38.7	45.6	60.6	82.1
1989	49.4	79.8	40.7	46.6	60.9	83.5
1991	50.3	80.7	40.0	48.0	58.8	84.5
1993	36.7	67.2	23.9	32.9	42.5	83.1
1995	39.4	69.1	27.5	35.7	43.1	80.1
1997	38.6	66.9	26.4	34.7	47.0	74.1
1999	46.1	73.9	36.6	43.1	49.9	80.3
Physical sciences						
1973	50.1	86.3	43.5	44.4	75.4	92.4
1975	45.2	82.4	39.4	39.3	64.1	90.2
1977	46.2	79.2	39.2	39.9	75.9	89.4
1979	44.1	79.4	37.7	38.2	72.4	81.9
1981	50.4	88.9	42.5	44.6	70.3	90.2
1983	50.9	84.7	49.3	46.5	72.1	87.3
1985	43.2	79.5	34.4	37.4	66.1	84.4
1987	54.6	86.2	48.9	49.9	72.6	90.5
1989	58.2	87.3	52.6	53.5	72.1	86.8
1991	56.6	88.3	49.5	52.9	72.0	87.6
1993	45.5	75.3	35.4	37.7	61.1	87.1
1995	48.2	77.4	38.3	41.6	52.8	84.6
1997	46.3	75.6	34.8	39.2	63.8	80.4
1999	55.7	83.0	53.1	50.4	68.8	82.5
Mathematics						
1973	28.8	56.6	28.8	28.7	47.2	48.8
1975	19.1	50.1	18.2	18.8	33.5	35.8
1977	19.0	42.3	20.4	18.0	46.9	55.1
1979	21.7	44.0	20.8	20.4	54.6	43.2
1981	21.3	52.7	21.6	21.0	30.1	56.3
1983	30.1	71.0	32.6	29.9	43.4	66.3
1985	21.5	51.5	19.8	21.4	29.1	48.5
1987	31.1	66.8	23.8	30.4	47.8	34.4
1989	33.5	68.1	28.4	32.8	52.8	53.4
1991	34.5	74.5	26.3	34.0	67.2	80.4
1993	18.8	40.7	16.5	18.3	40.6	—
1995	22.3	45.9	17.0	21.1	34.6	45.3
1997	20.9	48.2	15.5	19.4	43.9	35.6
1999	29.1	60.6	25.4	28.3	38.4	54.7
Computer sciences						
1973	NA	NA	NA	NA	NA	NA
1975	NA	NA	NA	NA	NA	NA
1977	NA	NA	NA	NA	NA	NA
1979	34.8	58.3	23.3	25.0	—	57.1
1981	29.7	19.4	35.8	26.6	25.0	100.0
1983	44.6	84.6	30.1	38.1	67.9	100.0
1985	45.0	57.2	19.7	38.0	80.6	0.0
1987	61.7	66.3	58.7	58.1	79.7	88.2
1989	52.4	74.9	31.4	52.8	47.1	100.0
1991	49.4	71.2	27.7	48.2	67.7	—
1993	39.9	64.7	29.0	37.7	59.1	100.0
1995	43.2	75.8	28.6	40.7	62.9	78.0
1997	41.1	59.4	43.3	38.8	63.1	97.2
1999	55.6	85.0	49.5	54.1	74.9	100.0

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 5-38.

Academic doctoral scientists and engineers with Federal support, by field of degree: 1973–99
(Percentages)

Year	Total employed	Research is primary activity	Research is secondary activity	Full-time faculty	Full-time other	Post- doctorates
Earth, atmospheric, and ocean sciences						
1973	47.2	91.3	40.8	44.5	69.7	87.5
1975	46.0	82.0	41.4	43.0	79.9	75.0
1977	42.7	82.0	37.9	37.8	80.3	95.2
1979	45.4	78.4	46.3	40.0	75.2	96.9
1981	50.2	89.0	41.3	45.1	68.6	91.9
1983	54.5	86.3	47.8	50.3	78.9	90.7
1985	51.1	85.7	42.0	44.8	78.4	96.6
1987	60.2	88.4	49.2	54.6	79.5	91.7
1989	63.8	90.4	52.9	60.2	80.9	90.6
1991	66.2	89.9	55.5	61.4	90.7	73.4
1993	51.2	81.9	37.1	45.5	67.9	83.3
1995	54.3	85.7	38.9	48.6	72.0	91.0
1997	58.0	84.2	41.2	52.3	71.0	85.8
1999	63.3	79.8	63.2	61.7	74.5	74.3
Life sciences						
1973	62.2	86.2	51.3	59.8	76.2	92.4
1975	58.9	85.0	47.4	56.4	70.9	87.7
1977	58.1	83.0	50.1	54.9	72.1	88.4
1979	55.3	82.2	44.2	51.4	64.8	84.6
1981	59.6	85.4	45.9	55.6	68.5	86.0
1983	60.0	84.6	51.4	57.8	68.5	82.6
1985	53.5	80.0	39.2	50.5	58.4	78.3
1987	65.3	87.0	50.6	63.4	71.0	82.1
1989	65.1	86.7	50.9	62.1	74.1	86.8
1991	65.5	86.5	50.8	63.7	67.2	84.4
1993	52.2	76.2	34.8	48.6	45.8	84.1
1995	52.5	75.3	36.4	49.0	46.3	81.9
1997	51.0	73.1	34.8	47.6	46.2	77.7
1999	57.9	79.9	45.1	55.1	49.9	82.6
Psychology						
1973	40.0	75.7	37.7	38.8	54.1	89.4
1975	36.1	70.1	34.0	34.1	41.6	86.4
1977	33.2	70.2	29.0	30.6	65.4	82.5
1979	32.6	72.5	24.9	28.3	46.3	86.8
1981	32.7	77.3	23.8	27.5	52.3	92.0
1983	30.1	70.4	26.2	27.3	40.3	84.2
1985	25.9	66.8	22.2	23.6	32.7	70.8
1987	31.2	70.5	23.9	28.3	37.1	88.1
1989	35.5	73.0	29.2	34.0	39.6	66.3
1991	34.7	70.8	27.0	32.9	36.3	95.8
1993	25.7	63.8	15.9	25.2	23.8	71.7
1995	27.6	62.4	19.0	25.1	30.7	71.4
1997	27.4	65.0	16.7	24.9	28.3	71.8
1999	32.9	68.2	24.8	31.5	30.4	71.8
Social sciences						
1973	27.1	64.3	23.1	26.7	48.2	58.5
1975	23.7	61.1	20.3	23.7	31.6	54.6
1977	23.3	51.4	23.4	22.6	35.3	54.7
1979	20.4	53.6	21.5	19.0	37.3	84.9
1981	21.8	53.8	18.6	21.2	32.7	47.9
1983	23.7	55.8	24.3	22.5	34.0	64.6
1985	17.2	44.5	14.9	16.2	26.6	54.7
1987	27.2	50.3	24.9	27.1	36.2	27.4
1989	27.7	49.8	25.8	27.4	33.8	57.6
1991	28.4	51.2	25.4	27.8	32.7	52.5
1993	14.2	33.4	8.3	13.4	22.1	88.1
1995	16.1	37.2	12.2	15.4	22.6	68.5
1997	15.2	30.1	11.6	14.8	22.7	33.9
1999	22.9	44.3	18.0	22.5	29.3	65.0

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 5-38.

Academic doctoral scientists and engineers with Federal support, by field of degree: 1973–99
(Percentages)

Year	Total employed	Research is primary activity	Research is secondary activity	Full-time faculty	Full-time other	Post- doctorates
Engineering						
1973	55.5	81.9	54.2	54.6	83.1	84.7
1975	50.6	81.4	50.5	49.9	67.3	84.3
1977	51.1	78.0	53.7	49.3	86.6	74.7
1979	49.1	72.4	52.8	49.5	53.0	51.1
1981	51.0	80.2	56.8	49.8	60.7	98.9
1983	54.7	83.9	54.4	54.7	63.1	82.7
<i>1985</i>	<i>43.0</i>	<i>74.5</i>	<i>38.0</i>	<i>42.2</i>	<i>44.3</i>	<i>91.4</i>
1987	57.1	82.0	54.8	56.0	76.4	74.8
1989	56.3	78.1	57.1	55.2	71.2	76.0
1991	63.2	86.5	58.9	62.9	66.8	90.0
<i>1993</i>	<i>42.6</i>	<i>69.4</i>	<i>34.3</i>	<i>40.9</i>	<i>59.5</i>	<i>65.7</i>
1995	49.9	74.5	43.1	48.4	56.7	72.7
1997	49.7	70.8	41.0	46.4	67.9	62.1
1999	56.9	75.7	51.0	55.2	64.2	80.4

— = Too few cases; NA = not available

NOTES: 1985 and 1993–97 are not comparable to the other years and understate the degree of Federal support by asking whether work performed during the week of April 15 was supported by the Government. In other years, the question pertains to work conducted over the course of a year. Italics are used to highlight noncomparable values. Foreign-earned doctorates are excluded.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Survey of Doctorate Recipients.

See text table 5-14 in Volume 1.